

CHECK LIST OF BROKER'S WORK

(Mark boxes
on following pages
if not applicable)

1.0 Pre-Start Load Inspection

1. Check for arrival of tractor/trailer:

- a. Record trailer and tractor number ✓
- b. Record driver's name and estimate arrival time at the disposal site. ✓

2. Conduct initial survey of trailer:

- a. Take smears at locations indicated on survey form, read, and record levels ✓
- b. Record dose rates ✓

3. Review shipment and loading arrangements:

- a. Number of drums ~~and boxes~~ 20
- b. Status of paperwork/shipping documents (RSM, surveys, etc.) ✓
- c. Number of loaders and equipment, forklifts, dollies, etc. ✓

4. Initial survey of containers prior to loading:

- a. Proper marking and labeling ✓
- b. Package ID number ✓
- c. Weight on each container over 110 lbs. (not required for exclusive-use LSA) ✓
- d. Smears taken on at least 10% of containers ✓
- e. General conditions of containers Good
- f. Open at least 10% of absorbed or solidified liquid containers 100%
- g. DOT 7A/Type A marking as appropriate NA
- h. Tap side of all solidified containers for voids and soft spots ✓
- i. Punch those STC suspected of liquids (sealed with gasketed screw) None

2.0 Loading Inspection

1. Radiological survey of each package just prior to loading:

- a. Dose rate on contact ✓
- b. Record on CNSI inspection, highest reading (mr/hr) on package ✓

2. Physical inspection of drums:

- a. Lids on securely
- b. Lock nuts tight
- c. Container seal (if applicable)
- d. Check for dents/cuts/rust
- e. Clean, with no moisture visible
- f. Drums properly marked for Class A, B, C (stable or unstable).

✓
✓
NA
✓
✓
✓

3. Physical inspection of boxes:

- a. Wooden boxes banded tightly (at least two directions)
- b. Metal boxes with wedges installed
- c. No holes in boxes
- d. Caulking visible on wooden boxes
- e. No moisture visible
- f. Boxes properly marked for Class A, B, C (stable or unstable).

NA
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4. Loading considerations:

- a. Shield hot containers from cab sides and floor
- b. Maximum pay load is not exceeded and load distribution is correct.
- c. 18 boxes double-stacked on a canvas-top trailer maximum load
- d. 150 drums (55 gal.) double-stacked (4 across, 75 each layer approximate) maximum load
- e. Drums over 600 lbs. require a pallet for Barnwell when shipped in a closed van
- f. Drums over 800 lbs. require a pallet when shipped on flat-bed trailer or open-top van
- g. Boxes chained to floor stud (4 at a time)
- h. Place heaviest loads over rear axle (boxes)
- i. Check with driver about special weight considerations

NA
✓
NA
✓
✓
NA
NA
NA
✓

3.0 Post-Loading Inspection

- 1. Outgoing vehicle radiological survey completed
- 2. Load secured and braced
- 3. Radioactive placards on 4 sides of trailer
- 4. Have driver sign shipping papers:
 - a. Certification statement
 - b. Sole use vehicle statement
 - c. Bill of Lading
 - d. Sign RSM for Barnwell site

✓
✓
✓
✓
✓
✓
✓
✓

5. A copy of shipping papers is placed inside trailer (U.S. Ecology)
6. Seal doors on trailer

NA
✓

4.0 Completing Shipping Papers

1. Complete CNSI paperwork requirements:

- a. CNSI Inspection Sheet
- b. Survey Forms
- c. Cover sheet
- d. Prior Notification Form
- e. Certification Form

✓
✓
✓
✓
✓

2. Check completion of RSM information:

- a. Verify all DOT subtype and classification calculations
- b. Check release signature on both sides at bottom
- c. Check weight totals on last sheet for cubic feet, curies, and weight
- d. Check wording of Certification Statement

✓
✓
✓
✓

3. Check completion of Bill of lading:

- a. Correct description of load
- b. All information completed
- c. Identification Code after RAM

✓
✓
✓

4. Prior notification call to Hanford (509) 377-2411

NA

5. Reproduce 6 copies of all paperwork:

- a. Shipper copy (originals of surveys)
- b. Broker copy (CNSI forms added)
- c. Driver copy (not applicable for CNSI carrier to Barnwell)
- d. Disposal site original
- e. U.S. Ecology - second copy in trailer (sealed in back)
- f. Broker Supervisor's copy
- g. Disposal site - mail

✓
✓
✓
✓
✓
✓
✓

6. Make changes to DHEC 802

✓ ok

7. Make prior notification call to Columbia (Mark Lewis at (803) 256-0450) and U.S. Ecology, if applicable

✓

5.0 Cask/Trailer Outgoing Shipment Inspection

1. Tie Downs:

- a. Tightness (no slack)
- b. Turn buckles/ratchet binders (handles secure)
- c. Cable clamps properly installed
- d. No sharp objects to damage cable or chains
- e. Tie-down attachment welds (no cracks)
- f. Cable/chain conditions (do not touch)

NA

2. Liner:

- a. Type _____; Serial no. _____
- b. Barrel top covers (pipe caps in place)
- c. QA inspection sticker (on liner)
- d. Liner properly marked for Class A, B, C (stable or unstable)
- e. HIC certification

NA

3. Cask Cover/Lid:

- a. Nuts/bolts/washers (condition, lubricated, torqued)
- b. Lids bolted/cask seal affixed
- c. Rain cover installed (proper tie-down)
- d. Lid lifting shackles/rings, lugs properly covered
- e. Lid top surface clean

NA

4. General:

- a. Cask trailer base retainer plates in place
- b. Cask in proper location on trailer
- c. Paint appearance/nameplate/cleanliness of cask

NA

